

Phase IV: Coatings Service Life Prediction Consortium

Research starting in 2006

What are the Problems?

Link field and laboratory exposure data for a filled thermoplastic coating and a filled thermoset coating.

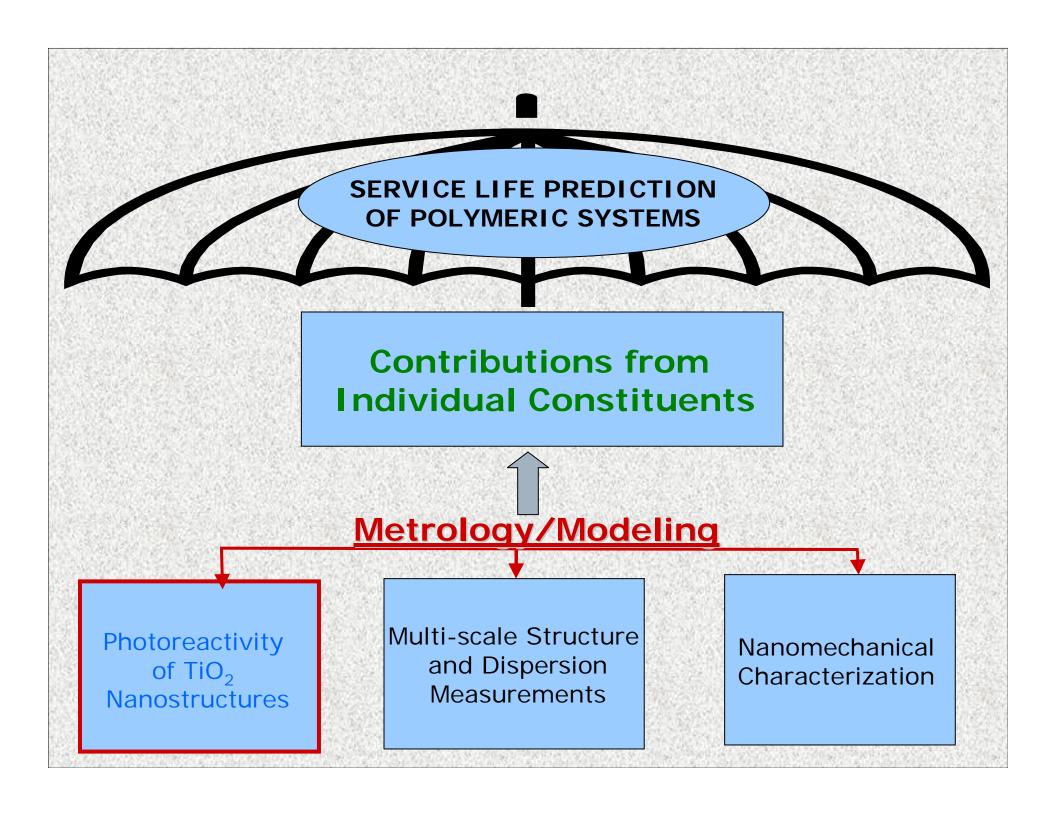
Quantify contribution that pigments make to the service life of a coating system



Why is the Problem hard?

- □ Almost all previous service life prediction research has been performed on products.
- Effect of individual constituents unknown.
- ☐ Pigments comprise 30 to 90% of the cost of a paint (Regulski, DuPont, 2004)
- Research aimed at establishing a program for engineering polymeric products for both initial and long-term performance





What is the new technical idea? Why can we succeed now?

